

SEQUENCE LISTING

<110> Lau, Ted
 Lin, Rick
 Parkes, Debbie
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<151> 2000-04-27

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<170> PatentIn Ver. 2.0

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gctggaccgg caccaaaggg ctggcagaaa tgggcgcctg gctgattcct aggcagttgg 180

cggcagcaag gaggagaggc cgcagcttct ggagcagagc cgagacgaag cagttctgga 240

gtgcctgaac ggccccctga gccctaccgc cctggccccc t atg gtc cag agg ctg 296

Met Val Gln Arg Leu
 1 5

tgg gtg agc cgc ctg ctg cgg cac cgg aaa gcc cag ctc ttg ctg gtc 344

Trp Val Ser Arg Leu Leu Arg His Arg Lys Ala Gln Leu Leu Leu Val
 10 15 20

aac ctg cta acc ttt ggc ctg gag gtg tgt ttg gcc gca ggc atc acc 392

Asn Leu Leu Thr Phe Gly Leu Glu Val Cys Leu Ala Ala Gly Ile Thr
 25 30 35

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Tyr	Val	Pro	Pro	Leu	Leu	Leu	Glu	Val	Gly	Val	Glu	Glu	Lys	Phe	Met	
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acc	atg	gtg	ctg	ggc	att	ggg	cca	gtg	ctg	ggc	ctg	gtc	tgt	gtc	ccg	488
Thr	Met	Val	Leu	Gly	Ile	Gly	Pro	Val	Leu	Gly	Leu	Val	Cys	Val	Pro	
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ctc	cta	ggc	tca	gcc	agt	gac	cac	tgg	cgt	gga	cgc	tat	ggc	cgc	cgc	536
Leu	Leu	Gly	Ser	Ala	Ser	Asp	His	Trp	Arg	Gly	Arg	Tyr	Gly	Arg	Arg	
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cgg	ccc	ttc	atc	tgg	gca	ctg	tcc	ttg	ggc	atc	ctg	ctg	agc	ctc	ttt	584
Arg	Pro	Phe	Ile	Trp	Ala	Leu	Ser	Leu	Gly	Ile	Leu	Leu	Ser	Leu	Phe	
			90						95					100		
ctc	atc	cca	agg	gcc	ggc	tgg	cta	gca	ggg	ctg	ctg	tgc	ccg	gat	ccc	632
Leu	Ile	Pro	Arg	Ala	Gly	Trp	Leu	Ala	Gly	Leu	Leu	Cys	Pro	Asp	Pro	
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agg	ccc	ctg	gag	ctg	gca	ctg	ctc	atc	ctg	ggc	gtg	ggg	ctg	ctg	gac	680
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Phe	Cys	Gly	Gln	Val	Cys	Phe	Thr	Pro	Leu	Glu	Ala	Leu	Leu	Ser	Asp	
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Leu	Phe	Arg	Asp	Pro	Asp	His	Cys	Arg	Gln	Ala	Tyr	Ser	Val	Tyr	Ala	
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gac	tgg	gac	acc	agt	gcc	ctg	gcc	ccc	tac	ctg	ggc	acc	cag	gag	gag	872
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Cys	Leu	Phe	Gly	Leu	Leu	Thr	Leu	Ile	Phe	Leu	Thr	Cys	Val	Ala	Ala	
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Thr	Leu	Leu	Val	Ala	Glu	Glu	Ala	Ala	Leu	Gly	Pro	Thr	Glu	Pro	Ala	
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Glu	Gly	Leu	Ser	Ala	Pro	Ser	Leu	Ser	Pro	His	Cys	Cys	Pro	Cys	Arg	
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gcc	cgc	ttg	gct	ttc	cgg	aac	ctg	ggc	gcc	ctg	ctt	ccc	cgg	ctg	cac	1064
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Gln	Leu	Cys	Cys	Arg	Met	Pro	Arg	Thr	Leu	Arg	Arg	Leu	Phe	Val	Ala	
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Ser	Val	Ala	Val	Val	Thr	Ala	Ser	Ala	Ala	Leu	Thr	Gly	Phe	Thr	Phe	
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tca	gcc	ctg	cag	atc	ctg	ccc	tac	aca	ctg	gcc	tcc	ctc	tac	cac	cgg	1496
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Glu	Lys	Gln	Val	Phe	Leu	Pro	Lys	Tyr	Arg	Gly	Asp	Thr	Gly	Gly	Ala	
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Ser	Ser	Glu	Asp	Ser	Leu	Met	Thr	Ser	Phe	Leu	Pro	Gly	Pro	Lys	Pro	
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tcc cag gtg gcc cca tcc ctg ttt atg ggc tcc att gtc cag ctc agc 1832
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 Gln Ser Val Thr Ala Tyr Met Val Ser Ala Ala Gly Leu Gly Leu Val
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gcc att tac ttt gct aca cag gta gta ttt gac aag agc gac ttg gcc 1928
 Ala Ile Tyr Phe Ala Thr Gln Val Val Phe Asp Lys Ser Asp Leu Ala
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aaa tac tca gcg tag aaaacttcca gcacattggg gtggagggcc tgcctcactg 1983
 Lys Tyr Ser Ala
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Ala Ala Gly Ile Thr Tyr Val Pro Pro Leu Leu Leu Glu Val Gly Val
 35 40 45

Glu Glu Lys Phe Met Thr Met Val Leu Gly Ile Gly Pro Val Leu Gly
 50 55 60

Leu Val Cys Val Pro Leu Leu Gly Ser Ala Ser Asp His Trp Arg Gly
 65 70 75 80

Arg Tyr Gly Arg Arg Arg Pro Phe Ile Trp Ala Leu Ser Leu Gly Ile
 85 90 95

Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala Gly Trp Leu Ala Gly Leu
 100 105 110

Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu Ala Leu Leu Ile Leu Gly
 115 120 125

Val Gly Leu Leu Asp Phe Cys Gly Gln Val Cys Phe Thr Pro Leu Glu
 130 135 140

Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro Asp His Cys Arg Gln Ala
 145 150 155 160

Tyr Ser Val Tyr Ala Phe Met Ile Ser Leu Gly Gly Cys Leu Gly Tyr
 165 170 175

Leu Leu Pro Ala Ile Asp Trp Asp Thr Ser Ala Leu Ala Pro Tyr Leu
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Gly Thr Gln Glu Glu Cys Leu Phe Gly Leu Leu Thr Leu Ile Phe Leu
 195 200 205

Thr Cys Val Ala Ala Thr Leu Leu Val Ala Glu Glu Ala Ala Leu Gly
 210 215 220

Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala Pro Ser Leu Ser Pro His
 225 230 235 240
 Cys Cys Pro Cys Arg Ala Arg Leu Ala Phe Arg Asn Leu Gly Ala Leu
 245 250 255
 Leu Pro Arg Leu His Gln Leu Cys Cys Arg Met Pro Arg Thr Leu Arg
 260 265 270
 Arg Leu Phe Val Ala Glu Leu Cys Ser Trp Met Ala Leu Met Thr Phe
 275 280 285
 Thr Leu Phe Tyr Thr Asp Phe Val Gly Glu Gly Leu Tyr Gln Gly Val
 290 295 300
 Pro Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg His Tyr Asp Glu Gly
 305 310 315 320
 Val Arg Met Gly Ser Leu Gly Leu Phe Leu Gln Cys Ala Ile Ser Leu
 325 330 335
 Val Phe Ser Leu Val Met Asp Arg Leu Val Gln Arg Phe Gly Thr Arg
 340 345 350
 Ala Val Tyr Leu Ala Ser Val Ala Ala Phe Pro Val Ala Ala Gly Ala
 355 360 365
 Thr Cys Leu Ser His Ser Val Ala Val Val Thr Ala Ser Ala Ala Leu
 370 375 380
 Thr Gly Phe Thr Phe Ser Ala Leu Gln Ile Leu Pro Tyr Thr Leu Ala
 385 390 395 400
 Ser Leu Tyr His Arg Glu Lys Gln Val Phe Leu Pro Lys Tyr Arg Gly
 405 410 415
 Asp Thr Gly Gly Ala Ser Ser Glu Asp Ser Leu Met Thr Ser Phe Leu
 420 425 430
 Pro Gly Pro Lys Pro Gly Ala Pro Phe Pro Asn Gly His Val Gly Ala
 435 440 445
 Gly Gly Ser Gly Leu Leu Pro Pro Pro Pro Ala Leu Cys Gly Ala Ser
 450 455 460
 Ala Cys Asp Val Ser Val Arg Val Val Val Gly Glu Pro Thr Glu Ala
 465 470 475 480
 Arg Val Val Pro Gly Arg Gly Ile Cys Leu Asp Leu Ala Ile Leu Asp
 485 490 495
 Ser Ala Phe Leu Leu Ser Gln Val Ala Pro Ser Leu Phe Met Gly Ser
 500 505 510
 Ile Val Gln Leu Ser Gln Ser Val Thr Ala Tyr Met Val Ser Ala Ala
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Lys Ser Asp Leu Ala Lys Tyr Ser Ala
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<220>
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1 5 10 15

Glu Pro

<210> 20
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<212> PRT
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<212> PRT
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Ser Ser Glu Asp Ser Leu Met Thr Ser Phe
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1 5 10

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1 5 10 15

Glu

<210> 24

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<212> PRT

<213> Homo sapiens

<400> 24

Asp Lys Ser Asp Leu Ala Lys Tyr Ser Ala
1 5 10

<210> 25

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<212> PRT

<213> Homo sapiens

<400> 25

Asp Phe Val Gly Glu Gly Leu Tyr Gln Gly Val Pro Arg Ala Glu Gly
1 5 10 15

Thr Glu Ala Arg Arg His Tyr Asp Glu Gly Val Arg
20 25

<210> 26
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Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala Pro Ser Leu Ser Pro His
1 5 10 15